

JUN 12 2008

SHEET 1 OF 3

SUBSTITUTE FOR FORM IPO 5/02 (88 MARKS)

INFORMATION DISCLOSURE
STATEMENT
LIST OF DOCUMENTS CITED BY
APPLICANT

ATTY DOCKET NO:
FOGH=5ASERIAL NO:
10/588,082

FIRST INVENTOR: FOGH, Jens

FILING DATE: June 20, 2007

EXAMINER:

ART UNIT:

U.S. PATENT DOCUMENTS (include at least patentee, patent/pub number and filing/issue/pub date)

EXAM. INITIAL	ID	DOCUMENT NUMBER	FILING, ISSUE OR PUBLICATION DATE MM-DD-YYYY	PATENTEE OR APPLICANT	Relevant Passage(s)	T*

FOREIGN PATENT DOCUMENTS (include at least document number, publication date and country)

EXAM. INITIAL	ID	COUNTRY CODE & DOCUMENT NUMBER	PUBLICATION DATE MM-DD-YYYY	PATENTEE OR APPLICANT	Relevant Passage(s)	T*

OTHER DOCUMENTS (include AUTHOR, title, name of publication, volume, pages & date of publication) Please list in alphabetical order.

AK	Baum, et al., "The assay of arylsulphatases A and B in human urine", <u>Clin. Chim. Acta</u> , vol. 4, pp 453-455, 1959.
AL	Coenen, et al. "Morphological alterations in the inner ear of the arylsulfatase A-deficient mouse", <u>Acta Neuropathol.</u> , Vol. 101, pp 491-498, 2001.
AM	Demeule, et al. "High transcytosis of melanotransferrin (P97) across the blood-brain barrier", <u>Journal of Neurochemistry</u> , Vol. 83, pp 924-933, 2002.
AN	D'Hooge et al., "Hyperactivity, neuromotor defects, and impaired learning and memory in a mouse model for metachromatic leukodystrophy", <u>Brain Research</u> , Vol. 907 pp 35-43, 2001.
AO	Dierks et al., "Conversion of cysteine to formylglycine: A protein modification in the endoplasmic reticulum", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 94, pp 11963-11968, October 1997.
AP	Duncan, et al., "Designing Cell-Permeant Phosphopeptides to Modulate Intracellular Signaling Pathways", <u>Biopolymers (Peptide Science)</u> , Vol. 60 pp 45-60, 2001.
AQ	Gieselmann, et al., "Metachromatic leukodystrophy: Molecular genetics and an animal model", <u>J. Inher. Metab. Dis.</u> , Vol. 21, pp 564-574, 1998.
AR	Gieselmann, et al., "Metachromatic leukodystrophy: consequences of sulphatide accumulation", <u>Acta Paediatr Suppl.</u> , Vol. 443, pp 74-79, 2003.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

* "Relevant Passages" column is optional. Put check in "T" column if English translation of entire document included. If English language abstract included, put A in this box. If ref. in English, put "E". If requirement otherwise met, put O.

SUBSTITUTE FOR FORM IPC/SB/08 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT LIST OF DOCUMENTS CITED BY APPLICANT		ATTY DOCKET NO: FOGH=5A	SERIAL NO: 10/588,082
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OTHER DOCUMENTS (include author, title, name of publication, volume, pages and date of publication) Please list in alphabetical order.			
	AS	V. Gieselmann, et al., "In Vitro Mutagenesis of Potentioal N-Glycosylation Sites of Arylsulfatase A", <u>Journal of Biological Chemistry</u> , Vol. 267, No. 19, pp 13262-13266, July 5, 1992.	
	AT	Hess, et al., "Phenotype of arylsufatase A-deficient mice: Relationship to human metachromatic leukodystrophy", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 93, pp 14821-14826, December 1996.	
	AU	Ho, et al., "Synthetic Protein Transduction Domains: Enhanced Transduction Potential in Vitro and in Vivo ¹ ", <u>Cancer Research</u> , Vol. 61, pp 474-477, January 15, 2001.	
	AV	Kudoh, et al., "Diagnosis of Metachromatic Leukodystrophy, Krabbe Disease, and Farber Disease after Uptake of Fatty Acid-labeled Cerebroside Sulfate into Cultured Skin Fibroblasts", <u>J. Clin. Invest.</u> , Vol. 70, pp 89-97, July 1982.	
	AW	Lindgren, et al., "Cell-penetrating peptides", <u>TIPS</u> , Vol. 21, pp. 99-103, March 2000.	
	AX	Lukatela, et al., "Crystal Structure of Human Arylsulfatase A: The Aldehyde Function and the Metal Ion at the Active Site Suggest a Novel Mechanism for Sulfate Ester Hydrolysis", <u>Biochemistry</u> , Vol. 37, pp 3654-3664, 1998.	
	AY	Lüllmann-Rauch, et al., "Lysosomal sulfoglycolipid storage in the kidneys of mice deficient for arysulfatase A (ASA) and of double-knockout mice deficient for ASA and galactosylceramide synthase", <u>Histochem Cell Biol</u> , Vol. 116, pp 161-169, 2001.	
	AZ	Matsushima, et al. "Absence of MHC Class II Molecules Reduces CNS Demyelination, Microglial/Macrophage Infiltration, and Twitching in Murine Globoid Cell Leukodystrophy", <u>Cell</u> , Vol. 78, pp 645-656, August 26, 1994.	
	BA	Matzner, et al., "Long-term expression and transfer of arylsulfatase A into brain of arylsulfatase A-deficient mice transplanted with bone marrow expressing the arylsulfatase A cDNA from a retroviral vector", <u>Gene Therapy</u> , Vol. 7, pp 1250-1257, 2000.	
	BB	Matzner et al., "Retrovirally expressed human arylsulfatase A corrects the metabolic defect of arylsulfatase A-deficient mouse cells", <u>Gene Therapy</u> , Vol. 7, pp 805-812, 2000.	
	BC	Muschol, et al., "Secretion of phosphomannosyl-deficient arylsulphatase A and cathepsin D from isolated human macrophages", <u>Biochem J.</u> , Vol. 368, pp 845-853, 2002.	
	BD	Pan et al., "TNF α Transport across the Blood-Brain Barrier is Abolished in Receptor Knockout Mice", <u>Experimental Neurology</u> , Vol. 174, pp 193-200, 2002.	
	BE	Pan et al., "Upregulation of the Transport System for TNF α at the Blood-Brain Barrier", <u>Archives of Physiology and Biochemistry</u> , Vol. 109, No. 4, pp 350-353, 2001.	
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BF	Rodman, et al., Circulating natural IgM antibodies and their corresponding human cord blood cell-derived Mabs specifically combat the Tat protein of HIV", <u>Experimental Hematology</u> , Vol. 29 pp 1004-1009, 2001.		
BG	Rothenberger, et al., "Coincident expression and distribution of melanotransferrin and transferring receptor in human brain capillary endothelium", <u>Brain Research</u> , Vol. 712, pp 117-121, 1996.		
BH	Sandhoff, et al., "Kidney Sulfatides in Mouse Models of Inherited Glycosphingolipid Disorders", <u>The Journal of Biological Chemistry</u> , Vol. 277, No. 23, pp 20386-20398, 2002.		
BI	Schmidt, et al., "A Novel Amino Acid Modification in Sulfatases That is Defective in Multiple Sulfatase Deficiency", <u>Cell</u> , Vol. 82, pp 271-278, July 28, 1995.		
BJ	Schwarze, et al., Protein transduction: unrestricted delivery into all cells?", <u>trends in CELL BIOLOGY</u> , Vol. 10, pp 290-295, July 2000.		
BK	Scott, et al., "Differential Staining of Acid Glycosaminoglycans (Mucopolysaccharides) by Alcian Blue in Salt Solutions", <u>Histochemie</u> , Vol. 5, pp 221-233, 1965.		
BL	Selmer, et al., "The evolutionary conversation of a novel protein modification, the conversion of cysteine to serinesemialdehyde in arylsufatase from <i>Volvox carteri</i> ", <u>Eur. J. Biochem.</u> , Vol. 238, pp 341-345, 1996.		
BM	Sommerlade, et al., "Four monoclonal antibodies inhibit the recognition of arylsulphatase A by the lysosomal enzyme phosphotransferase", <u>Biochem J.</u> , Vol. 297, pp 123-130, 1994.		
BN	Wada, et al., "Microglial activation precedes acute neurodegeneration in Sandhoff disease and is suppressed by bone marrow transplantation", <u>Proc. Nat. Acad. Sci. (USA)</u> , Vol. 97, No. 20, pp 10954-10959, September 26, 2000.		
BO	Wittke, et al., "Lysosomal sulfatide storage in the brain of arylsulfatase A-deficient mice: cellular alterations and topographic distribution", <u>Acta Neurophatol.</u> , Vol. 108, pp 261-271, 2004.		
BP	Wu, et al., "Neuroprotection with noninvasive neurotrophin delivery to the brain", <u>Proc. Natl. Acad. Sci. USA</u> , Vol. 96, pp 254-259, January 1999.		
BQ	Yao, et al., "Microanalysis of Complex Tissue Lipids by High-Performance Thin-Layer Chromatography", <u>Analytical Biochemistry</u> , Vol. 150, pp 111-116, 1985.		
BR	Zielasek, et al., "Functional Abnormalities in P ₀ -Deficient Mice Resemble Human Hereditary Neuropathies Linked to P ₀ Gene Mutations", <u>Muscle & Nerve</u> , Vol. 19, pp 946-952, 1996.		
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